

## Product datasheet for **MG217940**

### Ubl7 (NM\_001122873) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ubl7 (NM_001122873) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ubl7
Synonyms:	2300004C15Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG217940 representing NM_001122873 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCCTCTCAGACTGGCATCTGGCAGTGAAGCTGGCTGACCAGCCACTTGCTCCAAAATCTATTCTTC  
AGTTGCCAGAGACAGAAGTGGGAGAATATTCCTAGGGGGCTATAGCATTTTCATTCTGAAGCAGCTTAT  
TGCTGGCAAGCTCCAGGAATCTGTTCCAGACCCGGAGCTGATCGATTTGATCTACTGTGGCCGGAAGCTA  
AAAGATGACCAGACCCTTGACTTCTATGGTATTCAGCCTGGATCCACAGTCCATGTTCTCCGAAAATCTT  
GGCCTGAGCCTGATCAGAAACCTGAACCTGTGGACAAAGTAGCTGCCCTGAGAGAGTTCCGGGTCTGCA  
CACTGCCCTGCACAGCAGCTCTTCTACAGAGAGCGGTCTTTAAGATGCTCAGCAATAAAGAATCTCTG  
GATCAGATCATTGTGGCCACCCAGGCCTCAGCAGTGACCCATTGCTCTAGGGTTCTCCAGGATAAGG  
ACCTCTTCTGTCTTTGCTGATCCCAACATGCTAGATACATTGGTGCCTGCCACCCAGCCCTAGTCAA  
TGCCATCATCCTGGTTCTGCACTCCGTAGCAGGCAGCACCCCAATGCCAGGAGCTGACTCCTTCCCGA  
AGCATGCCCTCCAGCTCTACCGAGATATGCCAGGTGGCTTCTGTTGACGGGCTCTCAGATGACGAGG  
ACGACTTTCACCAAGCACTCGGTCTACGCCCTTAGCAGTACACCTAGCTCCGCCCCCGCTCCCTGGG  
ATACAGTGGAGCTGCAGGGCCCCGCCCATCACCCAGAGTGAGCTGGCCACTGCCCTGGCCCTGGCCAGT  
ACTCCAGAGAGCAGTTCTCATACCAACTCCTGGCACCCAGGGCATTCTCAGGCACCTGCCAATGT  
CCTCTGGTGTCCAGTCAGGGACACCCATCACCAACGATCTTTTTAGCCAAGCTCTCCAGCATGCCCTGCA  
GGCCTCTGGGAGCCAGCCTTACAGAGCCAGTGCCAGCCTCAGCTGCAGCAGTTGCGTGACATGGGCATC  
CAGGATGACGAATAAGCCTCCGGGCCCTCAGGCCACTGGAGGTGATATCCAAGCAGCCCTGGAAGTCA  
TCTTTGCTGGAGGAGCCCA

**ACGGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG217940 representing NM\_001122873  
 Red=Cloning site Green=Tags(s)

```
MSLSDWHLAVKLADQPLAPKSILQLPETELGEYSLGGYISFLKQLIAGKLQESVPDPELIDL IYCGRKL
KDDQTLDFYGIQPGSTVHVLKRSWPEPDQKPEPVDKVAALREFRVLHTALHSSSSYREAVFKMLSNKESL
DQIIVATPGLSSDPIALGVLQDKDLFSVFADPNMLDTL VPAHPALVNAIILVLHSVAGSTPMPGADSSSR
SMPSSSYRDMPPGGFLFDGLSDDEDDFHPSTRSTPSSSTPSSRPASLGYSGAAGPRPITQSELATALALAS
TPESSHTPTPGTQGHSSGTSPMSSGVQSGTPI TNDLFSQALQHALQASGQPSLQSQWQPQLQLRDMGI
QDDELSLRALQATGGDIQAALELIFAGGAP
```

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001122873

**ORF Size:** 1140 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001122873.1](#), [NP\\_001116345.1](#)

**RefSeq Size:** 1382 bp

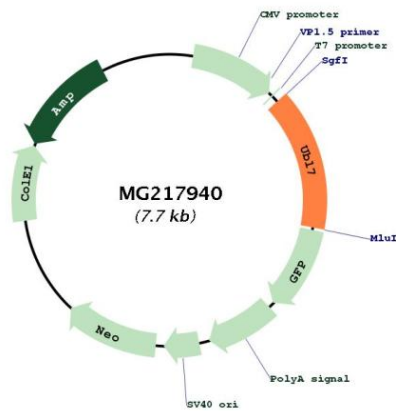
**RefSeq ORF:** 1143 bp

**Locus ID:** 69459

**UniProt ID:** [Q91W67](#)

**Cytogenetics:** 9

**Product images:**



Circular map for MG217940